(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 20 January 2005 (20.01.2005)

(10) International Publication Number WO 2005/004863 A1

(51) International Patent Classification7: A61K 31/4184, C07D 401/12, 403/12, A61K 31/4439, 31/506, A61P 35/00

(21) International Application Number:

PCT/EP2004/006337

(22) International Filing Date: 11 June 2004 (11.06.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 03015583.2

11 July 2003 (11.07.2003)

(71) Applicant (for all designated States except US): MERCK PATENT GmbH [DE/DE]; Frankfurter Str. 250, 64293 Darmstadt (DE).

(72) Inventors; and

(75) Inventors/Applicants (for US only): BUCHSTALLER, Hans-Peter [AT/DE]; Heinrichstrasse 54, 64331 Weiterstadt (DE). WIESNER, Matthias [DF/DE]; Beethovenring 10, 64342 Seeheim-Jugenheim (DE). ZENKE, Frank [DE/DE]; Schulzengasse 7, 64291 Darmstadt (DE). AMENDT, Christiane [DE/DE]; Barkhausstrasse 22, 64289 Darmstadt (DE). GRELL, Matthias [DE/DE]; Lindenweg 44, 64291 Darmstadt (DE). SIRRENBERG, Christian [DE/DE]; Taunusstrasse 10, 64289 Darmstadt

(74) Common Representative: MERCK PATENT GmbH; Frankfurter Str. 250, 64293 Darmstadt (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GII, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BENZIMIDAZOLE CARBOXAMIDES AS RAF KINASE INHIBITORS

$$(R^8)_p$$
 $(R^9)_q$ $(R^9)_q$ $(R^9)_q$

(57) Abstract: The present invention relates to benzimidazole carboxamides of formula (I), the use of the compounds of formula (I) as inhibitors of as inhibitors of one or more kinases, the use of the compounds of formula (I) for the manufacture of a pharmaceutical composition and a method of treatment, comprising administering said pharmaceutical composition to a patient. Accordingly, the compound of Formula (I) or a pharmaceutically acceptable salt thereof is administered for the treatment of diseases mediated by one or more kinase phathways, preferably by the raf kinase pathway, especially cancers.